

AMENDMENT TO THE CLAIMS

Kindly amend claim 3 as follows.

The following is a complete listing of revised claims with a status identifier in parenthesis.

LISTING OF CLAIMS

1. (Cancelled)
2. (Cancelled)
3. (Currently Amended) A method of generating ~~a set of~~ test sequences for evaluating the interoperability of ~~a number of interconnected~~ communication systems connected through a first and second gateway with respect to a desired mode of ~~communication~~ operation between ~~a first end user and a second end user~~ the systems, the method comprising:

determining a number of operational states that are required ~~of the~~ ~~communication systems~~ to implement the desired mode of operation ~~between the first and the second end users~~ of communication systems connected through a first and second gateway, wherein each operational state pertains to a first operation of [[a]] the first gateway ~~system associated with the first end user~~ and a corresponding second operation of [[a]] the second gateway ~~system associated with the second end user~~; and

testing ~~the interconnected~~ each communication ~~systems~~ system by causing the ~~systems~~ system to perform specified transitions between pairs of at least some of the operational states.

4. (Original) The method of claim 3, including providing at least one of the communication systems in the form of an Internet protocol network.

5. (Original) The method of claim 3, including providing at least one of the communication systems in the form of a switched telephone network.

6. (Original) The method of claim 3, including selecting the desired mode of communication as voice communication.

7. (Original) The method of claim 3, wherein said determining step includes defining a finite state machine having vertices corresponding to the operational states, and having edges between the vertices corresponding to the specified transitions.

8. (Original) The method of claim 3, including providing an Internet protocol (IP) network as one of the communication systems, coupling the first gateway system to the IP network, and coupling the second gateway system to the IP network.

9. (Original) The method of claim 8, including coupling a switched telephone network between the first and second gateway systems and each of the first and the second end users.

10. (Original) The method of claim 7, including eliminating from said testing step operations concerning only the first gateway system and the first end user, and operations concerning only the second gateway system and the second end user.
